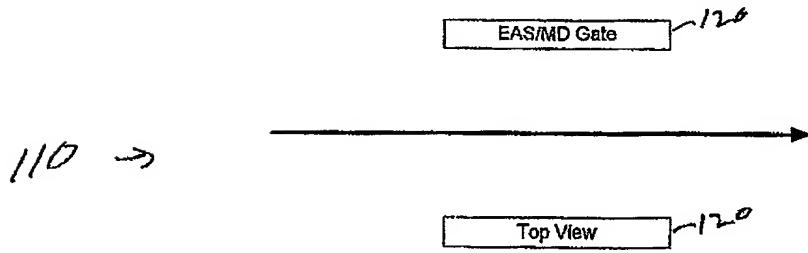
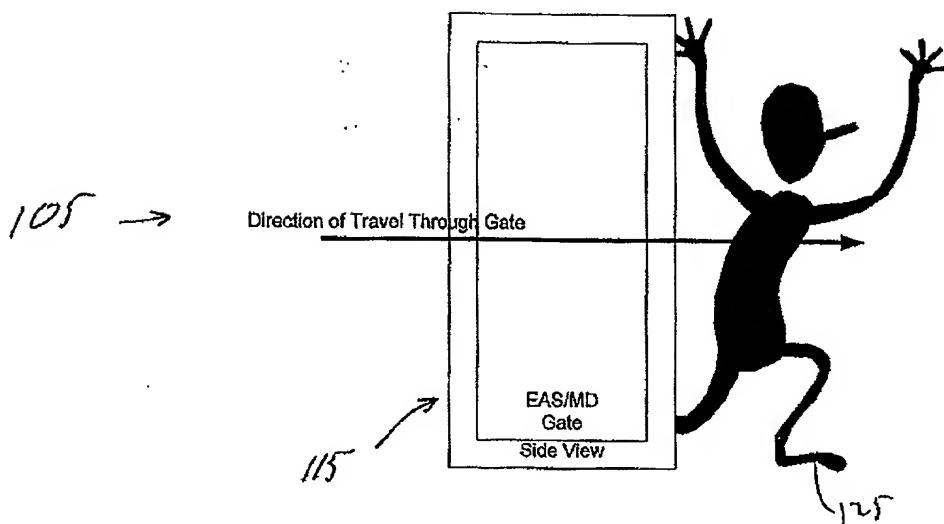


Figure 1 (Prior Art)



Verticle EAS/MD View  
showing direction of  
person walking through  
the device

Figure 2 (Prior Art)

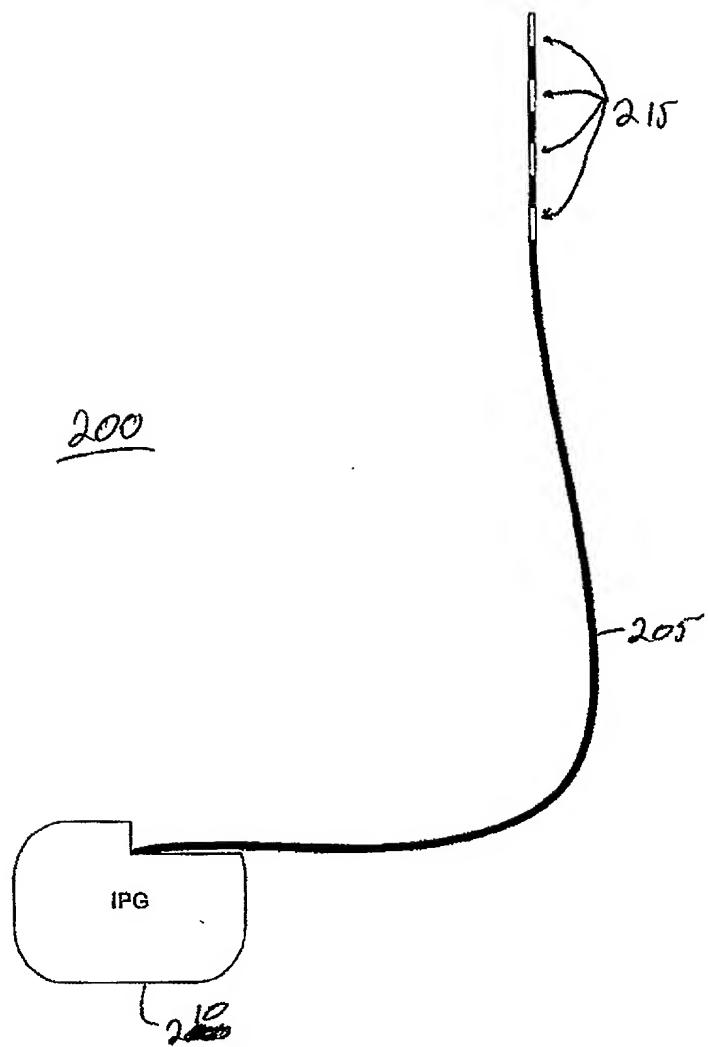


Figure 3 (Prior Art)

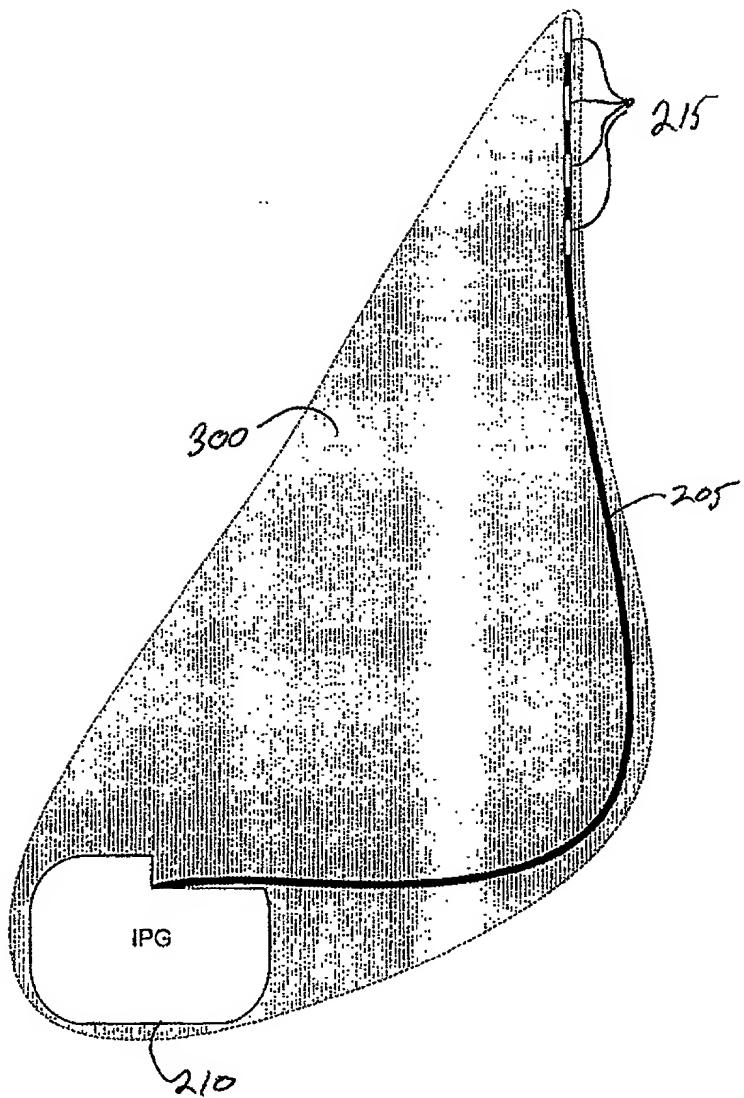


Figure 4 (Prior Art)

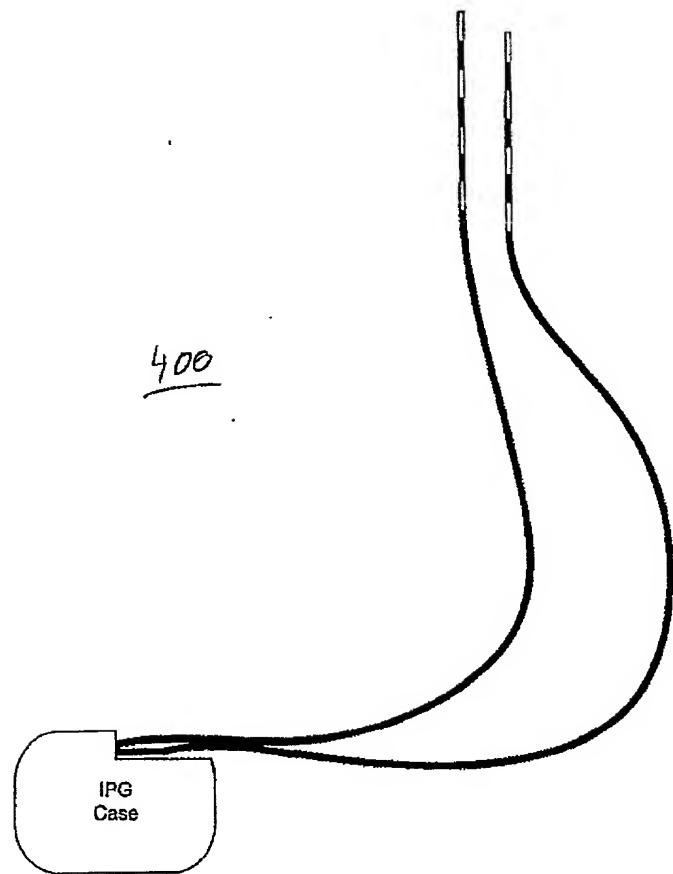


Figure 5 (Prior Art)

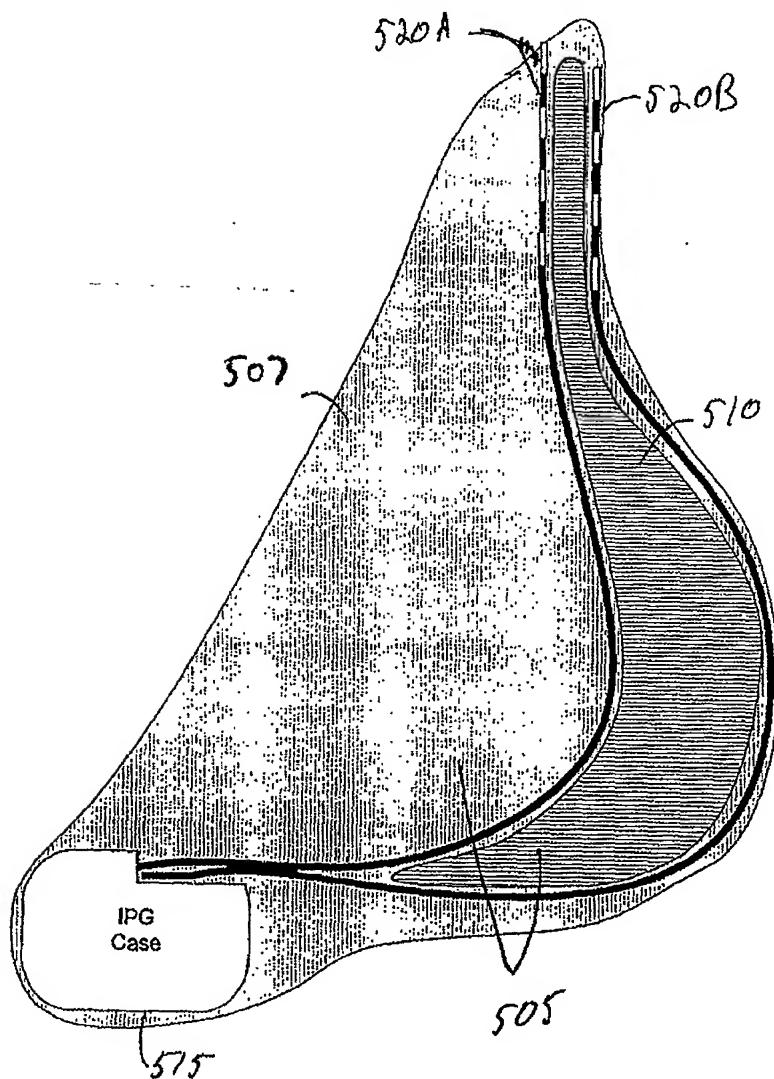
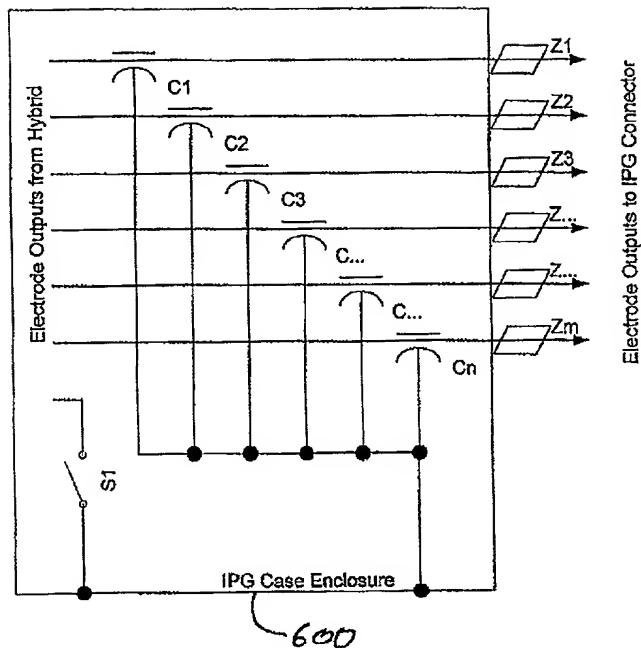


Figure 6



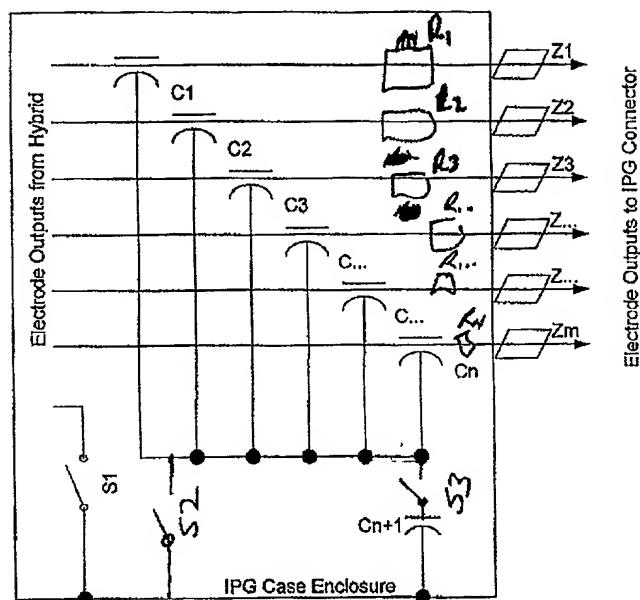
C1 thru Cn =  
Feedthrough Capacitors  
(part of feedthrough or separate capacitors)

Cn+1 = common EMC capacitor to IPG case

Z1 thru Zm =  
Impedance elements on outboard side of feedthroughs (may be ferrite bead, resistor, or inductor)

S1 = case electrode switch (may be electronic or mechanical such as a reed switch)

Figure 7



$C_1$  thru  $C_n$  =  
Feedthrough Capacitors  
(part of feedthrough or separate capacitors)

$C_{n+1}$  = single case electrode

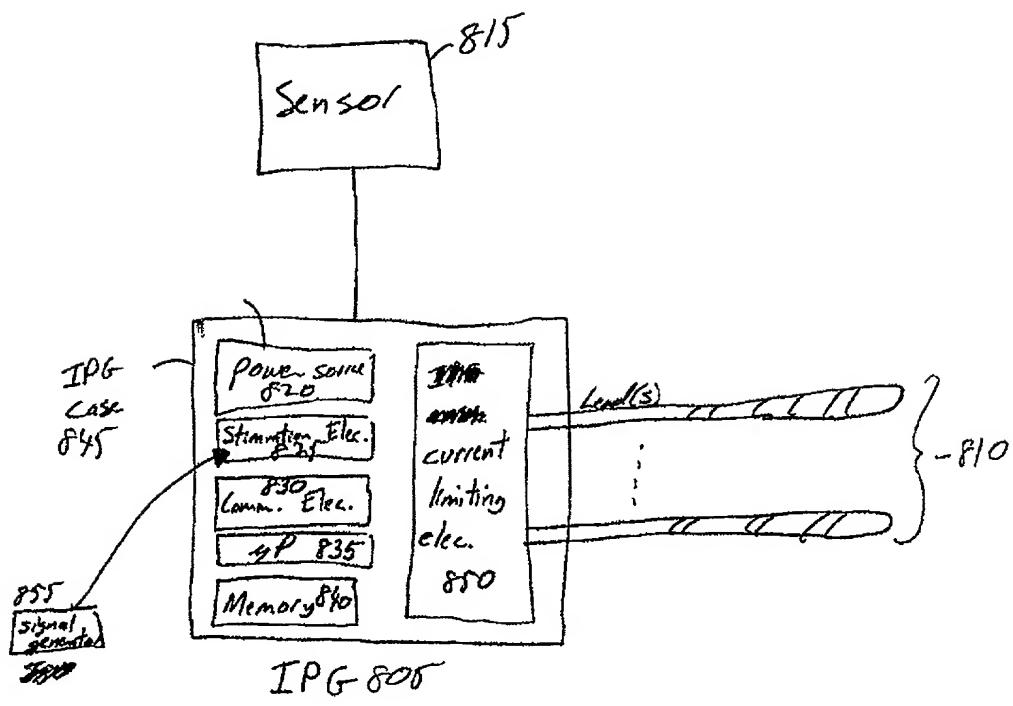
$Z_1$  thru  $Z_m$  = AC current blocking elements.  
Impedance elements on outboard side of feedthroughs capacitors  
(may be ferrite bead, resistor, or inductor)

$S_1$  = optional switching device.  
 $S_2$  = optional switching device

$S_3$  = optional switching device.

$R_1$  -  $R_m$  = optional resistors

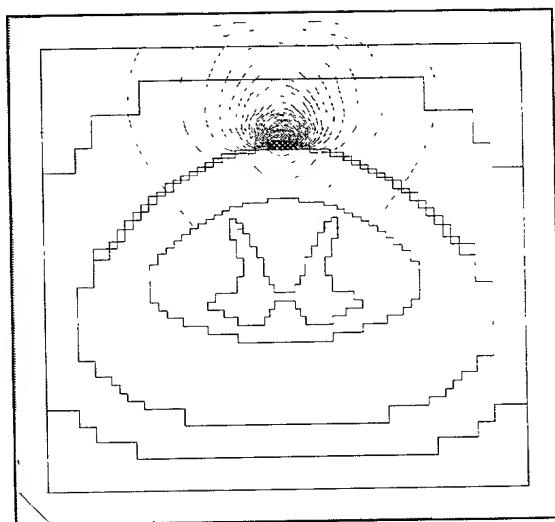
Figure 8



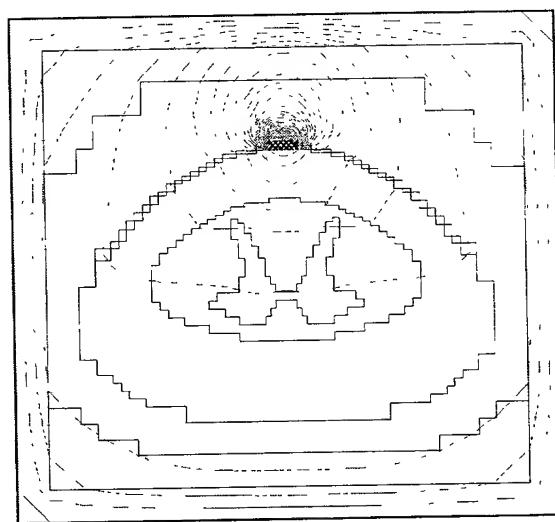
800

**Figure 9: Potential fields - transverse view**

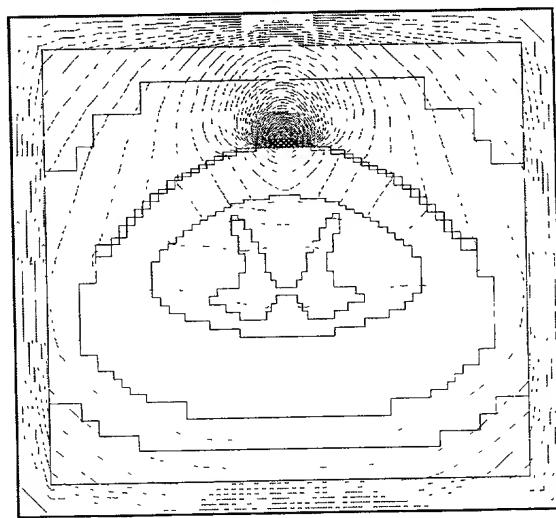
Regular bipole (6.5 mm spacing)



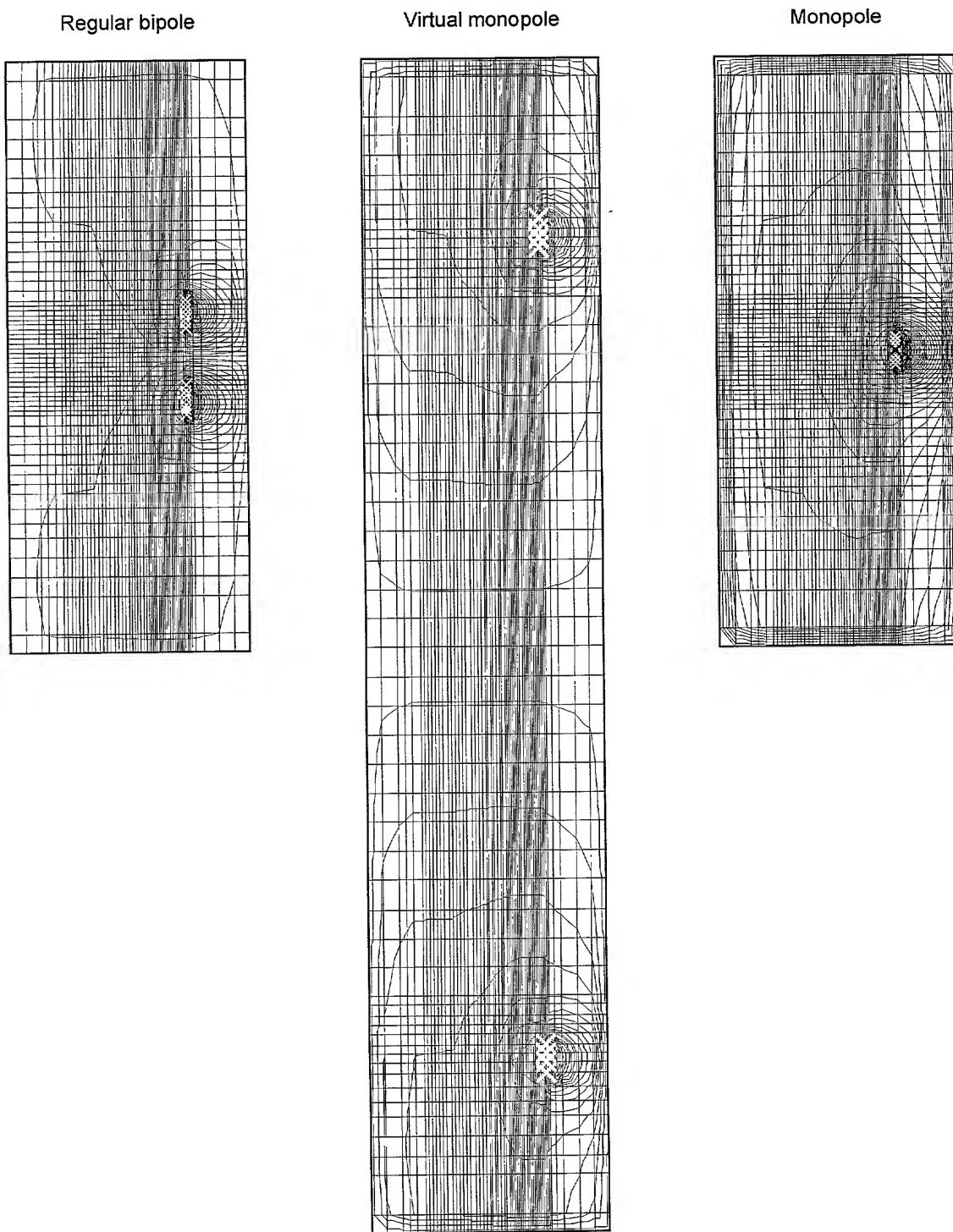
Virtual monopole



Monopole

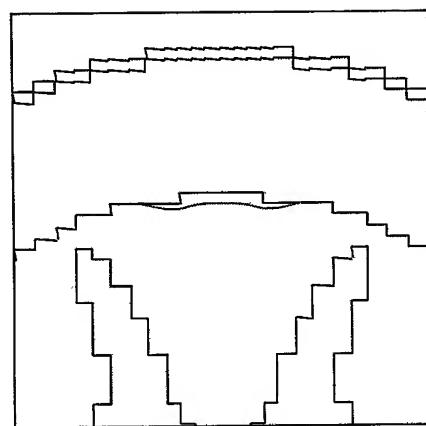


**Figure 10: Potential fields - sagittal view**

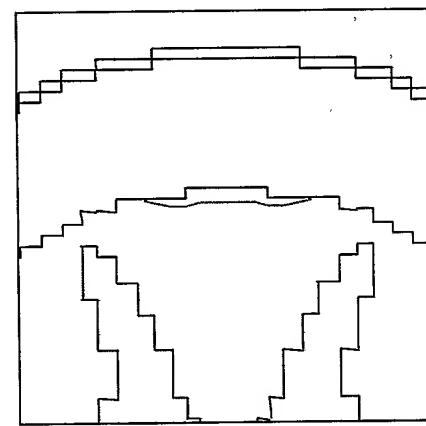


**Figure 11: Recruitment zones**

Regular bipole (6.5 mm spacing)



Virtual monopole



Monopole

